



## Cobre Panamá

| Maintenance Work Order / Orden de Trabajo de Mantenimiento |                                                                                |                      |                              |
|------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------|------------------------------|
| Work Order No. / No. Orden Trabajo                         | 1326215 WM                                                                     | Original Copy        |                              |
| Start Date / Fecha Inicio                                  | 21/07/24                                                                       | Priority / Prioridad | 3                            |
| Counter Reading / Lectura Medidor                          |                                                                                | WO Type / Tipo Orden | PM Orders                    |
| Category Code / Código Categoría                           | -.<br>105-Barge<br>-.<br>Care & Maint Preservation<br>Equipment SD / Island OP | Status / Estado      | WO Scheduled                 |
|                                                            |                                                                                | Supervisor           | Proc Water Management Supvrs |

| Asset General Information. / Información General Activo |                                                            |
|---------------------------------------------------------|------------------------------------------------------------|
| Asset No. / No. Activo                                  | 364-BG-9002                                                |
| Manufacturer / Fabricante                               | Weir Minerals                                              |
| Model Desc. / Desc. Modelo                              | Pontoon Pump 02 Decant Return Decant Return Barges & Pumps |
| P&ID                                                    | P&ID                                                       |
| Parent / Padre                                          | 364-PP-9002 Pump 02 Decant Return                          |
| Warranty / Garantia                                     | NO                                                         |

| Description of problem in Work Request. / Descripción del Problema |                              |
|--------------------------------------------------------------------|------------------------------|
| 1.                                                                 | 4W CMP Clean Cooling Filters |

| Work Order Parts / Lista de Partes |                                             |              |                           |
|------------------------------------|---------------------------------------------|--------------|---------------------------|
| JDE Number / Número JDE            | Spare Description / Descripción de la Parte | Op No./No.02 | Qty / Cant. Unit / Unidad |

| Equipment and Instructions / Equipo e Instrucciones |                              |
|-----------------------------------------------------|------------------------------|
|                                                     | 4W CMP Clean Cooling Filters |
| 364-PP-9010                                         | Pump 10 Decant Return        |
| 364-PP-9011                                         | Pump 11 Decant Return        |
| 364-PP-9012                                         | Pump 12 Decant Return        |
| 364-PP-9013                                         | Pump 13 Decant Return        |
| 364-PP-9014                                         | Pump 14 Decant Return        |
| 364-PP-9015                                         | Pump 15 Decant Return        |
| 364-PP-9016                                         | Pump 16 Decant Return        |
|                                                     | 4W CMP Clean Cooling Filters |

| Tooling / Herramientas  |                                             |             |               |
|-------------------------|---------------------------------------------|-------------|---------------|
| JDE Number / Número JDE | Spare Description / Descripción de la Parte | Qty / Cant. | Unit / Unidad |

| Labor Allocated / Descripción Mano Obra |                                   |               |                         |
|-----------------------------------------|-----------------------------------|---------------|-------------------------|
| Crew Size / No. Personas                | Work Center / Centro de Trabajo   | OPS / Sec. Op | Est. Hours / Horas Est. |
| 2                                       | LINT 4W CMP Clean Cooling Filters | 1.00          | 6.00                    |

| Timesheet / Hoja de Tiempo |  |  |  |
|----------------------------|--|--|--|
|----------------------------|--|--|--|

Supervisor Name / Nombre Supervisor:

Supervisor Signature / Firma Supervisor:

Page / Página 38 of / de 42





| Maintenance Work Order / Orden de Trabajo de Mantenimiento |                                                                                |                      |                                    |
|------------------------------------------------------------|--------------------------------------------------------------------------------|----------------------|------------------------------------|
| Work Order No. / No. Orden Trabajo                         | 1326215 WM                                                                     | Original Copy        |                                    |
| Start Date / Fecha Inicio                                  | 21/07/24                                                                       | Priority / Prioridad | 3                                  |
| Counter Reading / Lectura Medidor                          |                                                                                | WO Type / Tipo Orden | PM Orders                          |
| Category Code / Código Categoría                           | -.<br>105-Barge<br>-.<br>Care & Maint Preservation<br>Equipment SD / Island OP | Status / Estado      | WO Scheduled                       |
|                                                            |                                                                                | Supervisor           | Proc Water<br>Management<br>Supvsr |

| Employee JDE Code / Código JDE Empleado | Name / Nombre | Initial / Iniciales | OPS / Sec. Op | Act. Hours / H. Actual |
|-----------------------------------------|---------------|---------------------|---------------|------------------------|
| 41505                                   | Ricardo Roble | R.R.                | 1.00          | 5100                   |
| 48282                                   | Neris Molina  | N.M.                | 1.00          | 5700                   |
|                                         |               |                     |               |                        |
|                                         |               |                     |               |                        |

| Complete values / Completa estos valores:                        |            |
|------------------------------------------------------------------|------------|
| Actual Start Date of Job / Fecha Real de Inicio de Trabajo       | 21-7-24    |
| Actual Start Time of Job / Hora Real de Inicio de Trabajo        | 7:00 A.M.  |
| Actual Finish Date of Job / Fecha Real de Terminación de Trabajo | 21-7-24    |
| Actual Finish Time of Job / Hora Real de Terminación de Trabajo  | 12:00 P.M. |

|                     |     |
|---------------------|-----|
| Failure / Falla     | N/A |
| Analysis / Análisis | N/A |
| Solution / Solución | N/A |

| Comments / Comentarios                                                 |
|------------------------------------------------------------------------|
| Se Realizo Limpieza de filtros en sistema de enfriamiento de la bomba. |

Supervisor Name / Nombre Supervisor:

Supervisor Signature / Firma Supervisor:





FIRST QUANTUM  
MINERALS LTD.

Cobre Panamá

**¡ESTA INSTRUCCIÓN DE TRABAJO SE DEBE LEER EN SU  
TOTALIDAD ANTES DE COMENZAR EL TRABAJO!**

4 SEMANA CMP INSPECCION MECANICA Clean Cooling Filters

4 WEEK MECHANICAL CMP INSPECTION Clean Cooling Filters

Doc Ref:

**PROPÓSITO**  
*PURPOSE*

Proporcionar al mantenedor/operador que ejecuta el trabajo, orientación en cuanto a los estándares de trabajo mínimos necesarios para preparar, ejecutar y completar de manera segura el trabajo contra el activo bajo mantenimiento.

*To provide the maintainer/operator executing the work, guidance as to the minimum work standard/s required to safely prepare, execute, and complete work against the asset under maintenance.*

**ALCANCE**  
*SCOPE*

Esta instrucción de trabajo forma un elemento esencial de la estrategia de mantenimiento aprobada contra el activo objetivo en mantenimiento. El objetivo principal de la instrucción es mantener la salud de los activos para mantener la seguridad del personal y los riesgos de producción para ALARP (tan bajos como sea razonablemente posible).

*This work instruction forms an essential element of the approved maintenance strategy against the target asset under maintenance. The primary objective of the instruction is to sustain asset health to keep personnel safe and production risks to ALARP (as low as reasonably practicable)*

**REQUERIMIENTOS DE RECURSOS / RESOURCE REQUIREMENTS**

| Skill x Number                                           | Tool-time (Hrs) | Safety                                                | Tools & Materials                                        |
|----------------------------------------------------------|-----------------|-------------------------------------------------------|----------------------------------------------------------|
| Técnico mecánico x 2<br><i>Mechanical Technician x 2</i> | 2               | Análisis de riesgo completado<br><i>JSEA Complete</i> | Desengrasante / Disolvente<br><i>Degreaser / Solvent</i> |
|                                                          |                 | EPP estándar<br><i>Standard PPE</i>                   | Trapos<br><i>Rags</i>                                    |
|                                                          |                 |                                                       | Kit de herramientas estándar<br><i>Standard toolkit</i>  |
|                                                          |                 |                                                       |                                                          |

**¡PI SE!**

**PERFORM A THINK! RISK ASSESSMENT AND REVIEW RELEVANT SOP's**  
DON'T FORGET TO FOLLOW ALL THINK! SAFETY RULES. AN AUTHORISED SAFE WORK PERMIT MUST BE COMPLETED IF ANY THINK! FATAL DANGERS CAN BE FOUND ON THE JOB.

**!TH K!**

|                                                                                                                       |                                                                                                                        |                                                                                                                          |                                                                                                                               |                                                                                                                              |                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|  <b>TFD #1</b><br>Confined Spaces  |  <b>TFD #2</b><br>Working at Height |  <b>TFD #3</b><br>Falling Objects     |  <b>TFD #4</b><br>Mobile Equipment         |  <b>TFD #5</b><br>Ground Control        |  <b>TFD #6</b><br>Hazardous Material Management |
|  <b>TFD #7</b><br>Moving Equipment |  <b>TFD #8</b><br>Energy Isolation  |  <b>TFD #9</b><br>Loss of Containment |  <b>TFD #10</b><br>Explosives and Blasting |  <b>TFD #11</b><br>Fires and Explosions |  <b>TFD #12</b><br>Human Behaviors              |

**APPROVAL CONTROLLED DETAIL**

**DOCUMENT STATUS:**

PREPARED BY: Ana Quiros

REVISION

0

ISSUE DATE:

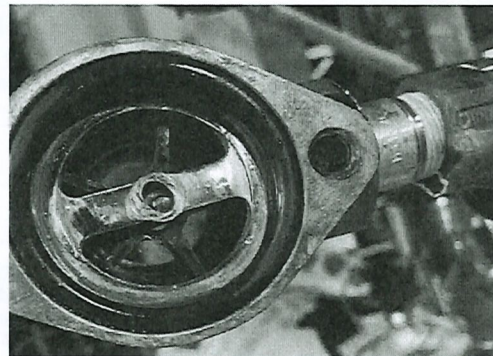
APPROVED BY:

REVIEW DATE: 26/12/2023

APPROVER'S SIGNATURE:

Doc Ref & Filename:

| ÁREA DE ENFOQUE INSTRUCCIÓN /<br>LISTA DE VERIFICACIÓN DE INSPECCIÓN                                                                                                                                                                                                                                             | 364-PP-9009 | 364-PP-9010 | 364-PP-9011 | 364-PP-9012 | 364-PP-9013 | 364-PP-9014 | 364-PP-9015 | 364-PP-9016 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Desmontaje de tubing de sello mecánico y sistema de enfriamiento.</b><br><i>Disassembly of mechanical seal tubing and cooling system</i><br><br><b>Prevención/Identificación: - Corrosión, holguras mecánicas y fugas.</b><br><i>Failure to Prevent/Identify: - Corrosion mechanical looseness and leaks.</i> | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           |
| <b>Aplicar producto de prueba 338 dejar por 15 min, luego limpieza con agua a presión.</b><br><i>Apply 338 test product, leave for 15 min, then clean with pressurized water.</i>                                                                                                                                | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           |
| <b>Instalar tubing de sello mecánico y sistema de enfriamiento</b><br><i>Install mechanical seal tubing and cooling system.</i>                                                                                                                                                                                  | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           | ✓           |





|                                               |                    |
|-----------------------------------------------|--------------------|
| WO Raised by: / Orden Creada por:             | MINERA PANAMA S.A. |
| WO Raised Date: / Fecha Creacion Orden:       | 08/07/2024         |
| Work Completed by: / Trabajo Completado por:  | Ricardo / Neriis.  |
| Supervisor Review: / Revision del Supervisor: |                    |
| Date Completed / Fecha completada:            | 21.7.24            |

Supervisor Name / Nombre Supervisor:

Supervisor Signature / Firma Supervisor:

Page / Página 40 of / de 42

This page intentionally left blank.